

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Gusher Fed 3-21-6-20E					
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT UNDESIGNATED					
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME					
6. NAME OF OPERATOR CRESCENT POINT ENERGY U.S. CORP						7. OPERATOR PHONE 720 880-3621					
8. ADDRESS OF OPERATOR 555 17th Street, Suite 750, Denver, CO, 80202						9. OPERATOR E-MAIL abaldwin@crecidentpointenergy.com					
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU80922				11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>					
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')					
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')					
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')				18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>					
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP		RANGE	MERIDIAN		
LOCATION AT SURFACE		486 FNL 1884 FWL		NENW	21	6.0 S		20.0 E	S		
Top of Uppermost Producing Zone		486 FNL 1884 FWL		NENW	21	6.0 S		20.0 E	S		
At Total Depth		486 FNL 1884 FWL		NENW	21	6.0 S		20.0 E	S		
21. COUNTY UINTAH				22. DISTANCE TO NEAREST LEASE LINE (Feet) 486		23. NUMBER OF ACRES IN DRILLING UNIT 40					
25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completion) 2300				26. PROPOSED DEPTH MD: 10000 TVD: 10000							
27. ELEVATION - GROUND LEVEL 5179				28. BOND NUMBER LPM9080275		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-7478					
Hole, Casing, and Cement Information											
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight	
Cond	24	16	0 - 100	65.0	H-40 ST&C	0.0	No Used	0	0.0	0.0	
Surf	12.25	8.625	0 - 1100	24.0	J-55 ST&C	9.5	Class G	450	1.15	15.8	
Prod	7.875	5.5	0 - 10000	17.0	N-80 LT&C	9.5	Hi Lift "G"	300	3.66	10.5	
							Hi Lift "G"	150	2.95	11.0	
							Class G	450	1.65	13.0	
ATTACHMENTS											
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES											
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN						
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER						
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP						
NAME Don Hamilton				TITLE Permitting Agent			PHONE 435 719-2018				
SIGNATURE				DATE 05/10/2013			EMAIL starpoint@etv.net				
API NUMBER ASSIGNED 43047537560000					APPROVAL						

Received: May 10, 2013

Crescent Point Energy U.S. Corp
Gusher Fed 3-21-6-20E
NE/NW of Section 21, T6S, R20E
SHL & BHL: 486' FNL & 1884' FWL
Uintah County, Utah

DRILLING PLAN

1-2. Geologic Surface Formation and Estimated Tops of Important Geologic Markers

Formation	Depth - MD
Uinta	Surface
Garden Gulch (TGR3)	6,482
Douglas	7,375
Black Shale	7,813
Wasatch	8,448
TD	10,000

3. Estimated Depths of Anticipated Water, Oil, Gas Or Minerals

Garden Gulch Formation (Oil) 6,482' – 8,448'
Wasatch Formation (Oil) 8,448' – 10,000'

Fresh water may be encountered in the Uinta Formation, but would not be expected below 350'. All usable (>10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected.

All water shows and water bearing geologic units will be reported to the geologic and engineering staff of the BLM Vernal Field Office prior to running the next string of casing or before plugging orders are requested. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required. All water shows must be reported within one (1) business day after being encountered. Detected water flows shall be sampled, analyzed, and reported to the geologic and engineering staff at the Vernal Field Office. The BLM may request additional water samples for further analysis.

The following information is requested for water shows and samples where applicable:

Location & Sample Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO ₃) (mg/l)
Dissolved Bicarbonate (NaHCO ₃) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO ₄) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. Proposed Casing & Cementing Program

Casing Design:

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Conductor 16" Hole Size 24"	0'	40'	65	H-40	STC	1,640	670	439
Surface casing 8-5/8" Hole Size 12-1/4"	0'	1100'	24	J-55	STC	2,950	1,370	244,000
Prod casing 5-1/2" Hole Size 7-7/8"	0'	10,000'	17	E-80	LTC	7,740	6,280	348,000
						2.52	2.04	2.12

Assumptions:

1. Surface casing max anticipated surface pressure (MASP) = Frac gradient – gas gradient
2. Production casing MASP (production mode) = Pore pressure – gas gradient
3. All collapse calculations assume fully evacuated casing w/gas gradient
4. All tension calculations assume air weight

Frac gradient at surface casing shoe = 11.0 ppg
 Pore pressure at surface casing shoe = 8.33 ppg
 Pore pressure at prod casing shoe = 8.33 ppg
 Gas gradient = 0.115 psi/ft

Minimum Safety Factors

Burst = 1.000
 Collapse = 1.125
 Tension = 1.800

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer per joint on the bottom 3 joints.

Cementing Design:

Job	Fill	Description	Excess	Sacks	Weight (ppg)	Yield (ft ³ /sk)
Surface casing	1100' - surface	Class V 2% chlorides	100%	450	15.8	1.15
Prod Lead 2	4500' to Surface	Hifill Class V 3% chlorides	45% in open-hole 0% in Cased hole	300	10.5	3.66
Prod casing Lead	6500' to 4500'	Hifill Class V 3% chlorides	25%	150	11	2.95
Prod casing Tail	TD to 6500'	Class G 10% chlorides	15%	450	13	1.65

*Actual volume pumped will have excess over gauge hole or caliper log if available

- Compressive strength of tail cement: 500 psi @ 7 hours

Waiting On Cement: A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure and a minimum of six (6) hours shall elapse before drilling out of the wiper plug, cement, or shoe. WOC time shall be recorded in the Driller's Log. Compressive strength shall be a minimum of 500 psi prior to drilling out.

The Vernal BLM office shall be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

The production casing cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200 feet above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A Tuned spacer will be used to prevent contamination of the lead cement by the drilling mud.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

A Form 3160-5, "Sundry Notices and Reports on Wells" shall be filed with the Vernal Field Office within 30 days after the work is completed. This report must include the following information:

Setting of each string of casing showing the size, grade, weight of casing set, depth, amounts and type of cement used, whether cement circulated to the top of the cement behind the casing, depth of the cementing tools used, casing method and results, and the date of the work done. Spud date will be shown on the first reports submitted.

5. Drilling Fluids Program

The Conductor section (from 0' to 40') will be drilled by Auger and final depth determined by when the black shale is encountered with a minimum depth of 40'.

The surface interval will then be drilled to $\pm 1100'$ with air/mist system. The air rig is equipped with a 6 1/2" blowline that is straight run to the reserve pit. A variance is in request for this operation. The request can be found in section 12 of this plan.

From $\pm 1100'$ to TD, a brine water system will be utilized. Clay inhibition and hole stability will be achieved with a polymer (DAP) additive; the reserve pit will be lined to address this additive. This brine water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 9.5 lbs/gal. If it is necessary to control formation fluids or pressure, the system will be weighted with the addition of brine, and if pressure conditions warrant, barite and/or calcium carbonate will be used as a weighting agent. There will be enough weighting agent on location to increase the entire system to 11.0 ppg MW.

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating characteristics of a hazardous waste will not be used in drilling, testing, or completion operations.

Crescent Point Energy will visually monitor pit levels and flow from the well during drilling operations.

6. Minimum Specifications for Pressure Control

A 3,000 psi BOP system or better will be used on this well. All equipment will be installed and tested per Onshore Order No. 2.

The configuration is as follows:

- Float in drillstring
- Inside BOP or safety valve
- Safety valve with same pipe threading
- Rotating Head below rotary table
- Fillup line
- 11" Annular Preventer – rated to 3,000 psi minimum
- 11" bore, 4-1/2" pipe ram – rated to 3,000 psi minimum
- 11" bore, Blind Ram – rated to 3,000 psi minimum
- 11" bore Drilling Spool with 2 side outlets (Choke side at 3" minimum & Kill side at 2" minimum)
 - 2 Kill line valves at 2" minimum – one with a check valve

- Kill line at 2" minimum
- 2 Choke line valves at 3" minimum
- Choke line at 3" minimum
- 2 adjustable chokes on manifold
- Pressure gauge on choke manifold

7. BOPE Test Criteria

A Function Test of the Ram BOP equipment shall be made every trip and annular preventer every week. All required BOP tests and/or drills shall be recorded in the Driller's Report.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to BLM representatives upon request.

At a minimum, the Annular preventer will be tested to 50% of its rating for ten minutes. All other equipment (Rams, valves, manifold) will be tested at 3,000 psi for 10 minutes with a test plug. If we were to change rams for any reason post drillout we shall test the rams to 70% of surface casing internal yield.

At a minimum, the above pressure tests will be performed when such conditions exist:

- BOP's are initially installed
- Whenever a seal subject to pressure test is broken
- Following repairs to the BOPs
- Every 30 days

8. Accumulator

The Accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (HCR), close both rams and annular preventer as well maintain 200 psi above nitrogen precharge of the accumulator without use of accumulator pumps. The fluid reservoir volume will be double the usable volume of the accumulator system. The fluid level will be maintained per manufacturer's specifications.

The BOP system will have 2 independent power sources to close both rams and annular preventer, while opening HCR. Nitrogen bottles will be 1 source and electric and/or air powered pumps will be the other.

The accumulator precharge will be conducted every 6 months and maintained to be within the specifications of Onshore Order No. 2

A manual locking device or automatic locking device will be installed on both ram preventers and annular preventer.

Remote controls will be readily accessible to the driller and be capable of closing all preventers. Main controls will be available to allow full functioning of all preventers and HCR.

9. Testing, Logging and Coring Programs

The logging program will consist of a Gamma Ray log from TD to base of surface casing @ +/- 1100'. A cement bond log will be run from PBTD to Top of cement. No drill stem testing or coring is planned for this well.

10. Anticipated Abnormal Pressures or Temperature

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous wells drilled to similar depths in this area.

Maximum anticipated bottomhole pressure will be approximately equal to total depth in feet multiplied by a 0.52 psi/ft gradient, and a maximum anticipated surface pressure will be approximately equal to the bottomhole pressure calculated minus the pressure of a partially evacuated hole calculated at a 0.22 psi/foot gradient.

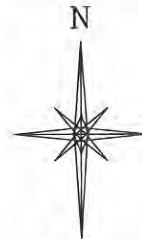
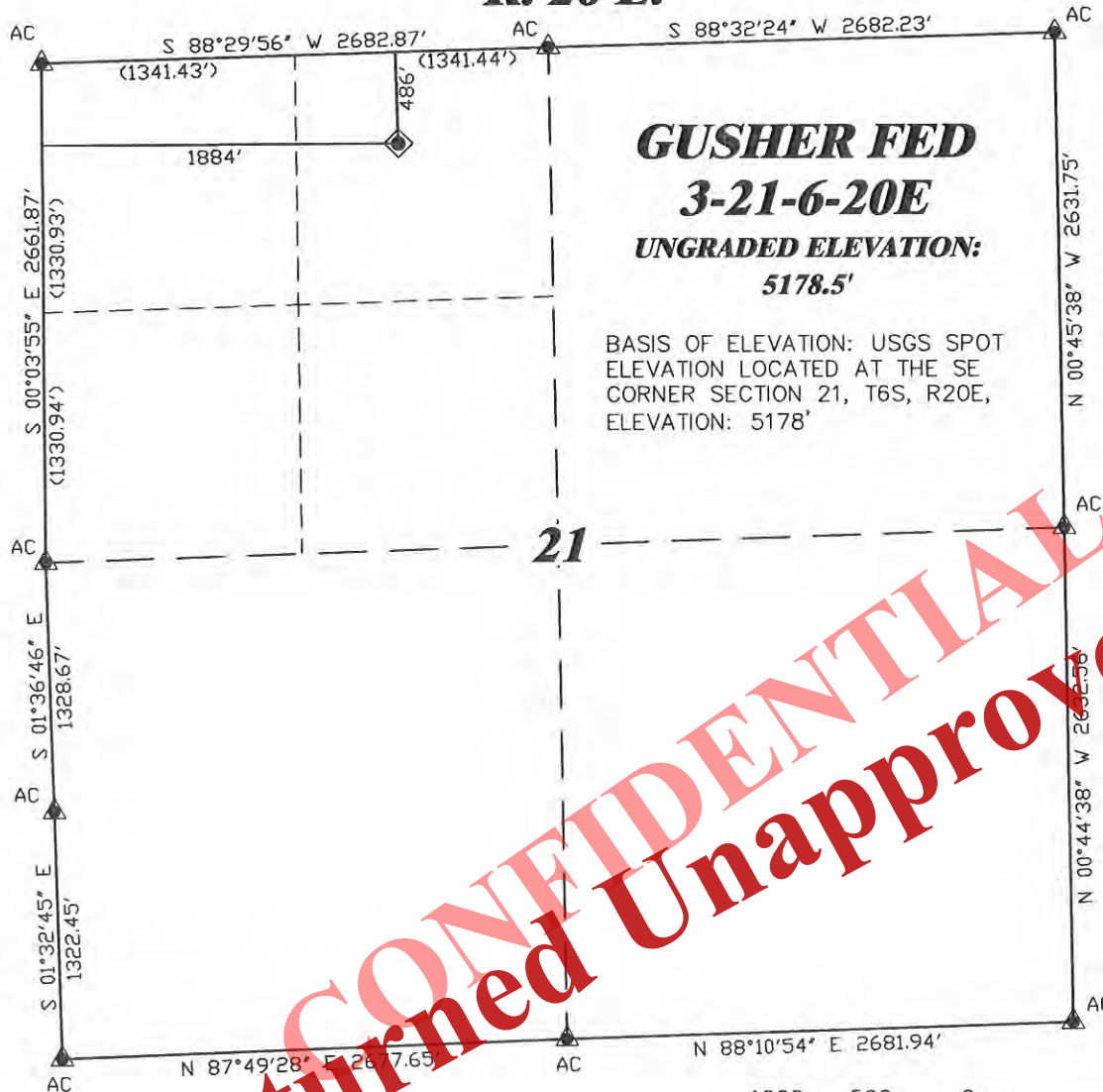
11. Anticipated Starting Date and Duration of Operations

It is anticipated that drilling operations will commence as soon as possible after approval is given and take approximately seven (7) days from spud to rig release and two weeks for completions.

12. Variances Requested from Onshore Order No. 2

1. A diverter is utilized for surface air drilling, rather than a lubricated rotating head.
2. The blooie line is 45 ft from the wellbore rather than 100' and is not anchored down.
3. The blooie line is not equipped with an automatic igniter or continuous pilot light.
4. The compressor is located on the rig itself and not 100 ft from the wellbore.
5. The requirement for an Formation Integrity Test (FIT) or a Leak Off Test (LOT)

R. 20 E.



SCALE 1" = 1000'

T. 6 S.

GUSHER FED

3-21-6-20E

UNGRADED ELEVATION:

5178.5'

BASIS OF ELEVATION: USGS SPOT
ELEVATION LOCATED AT THE SE
CORNER SECTION 21, T6S, R20E,
ELEVATION: 5178'

LATITUDE (NAD 83)

NORTH 40.290006 DEG.

LONGITUDE (NAD 83)

WEST 109.677941 DEG.

LATITUDE (NAD 27)

NORTH 40.290045 DEG.

LONGITUDE (NAD 27)

WEST 109.677245 DEG.

NORTHING

717877.34

EASTING

2508444.10

DATUM

SPCS UTC (NAD 27)

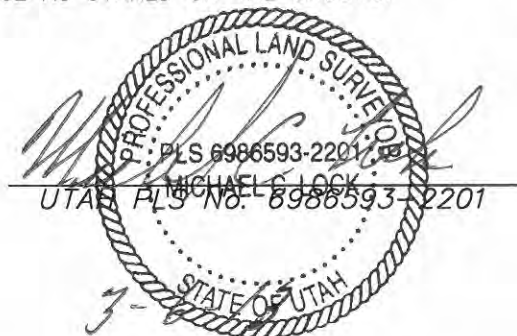


SURVEYOR'S STATEMENT

I, MICHAEL C. LOCK, OF ROCK SPRINGS, WYOMING, HEREBY STATE: THIS MAP WAS MADE FROM NOTES TAKEN DURING AN ACTUAL FIELD SURVEY DONE UNDER MY DIRECT SUPERVISION ON MARCH 28, 2012 AND THAT THIS PLAT CORRECTLY SHOWS THE LOCATION OF GUSHER FED 3-21-6-20E AS STAKED ON THE GROUND.

LEGEND

- ◆ WELL LOCATION
- BOTTOM HOLE LOC. (APPROX)
- FOUND MONUMENT
- ▲ PREVIOUSLY FOUND MONUMENT



DRG RIFFIN & ASSOCIATES, INC.

(307) 362-5028

1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 3/30/12 - NDP

SCALE: 1" = 1000'

REVISED: 3/06/13 - KRH

DRG JOB No. 19150

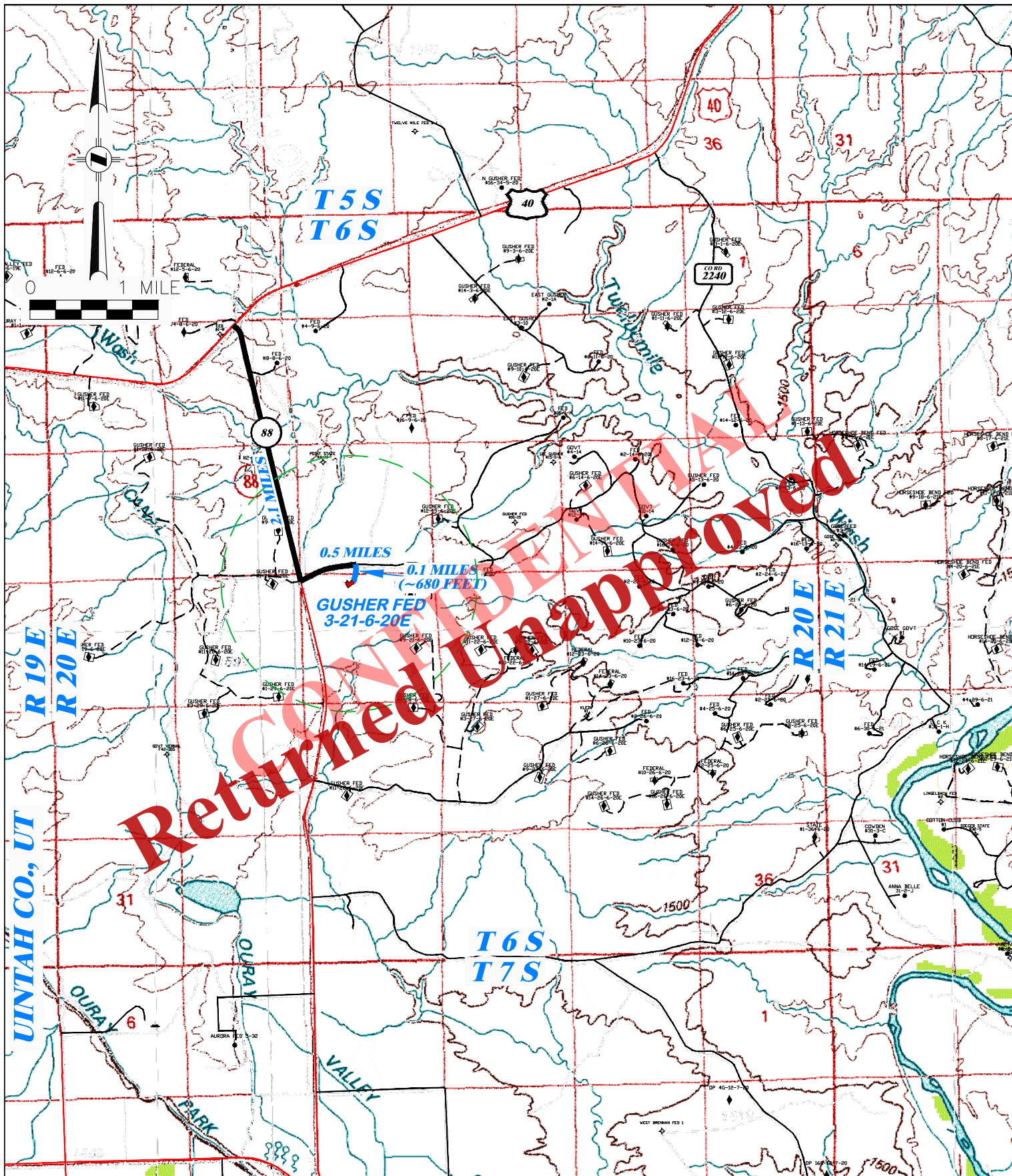
REVISED COMPANY NAME

EXHIBIT 1

**PLAT OF DRILLING LOCATION
FOR
CRESCENT POINT ENERGY**

**486' F/NL & 1884' F/WL, NENW, SECTION 21,
T. 6 S., R. 20 E., S.L.M
UINTAH COUNTY, UTAH**

Received: May 10, 2013



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1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 3/30/12 - NDP

SCALE: 1" = MILE

REVISED: 3/06/13 - KRH

DRG JOB No. 19150

REVISED COMPANY NAME

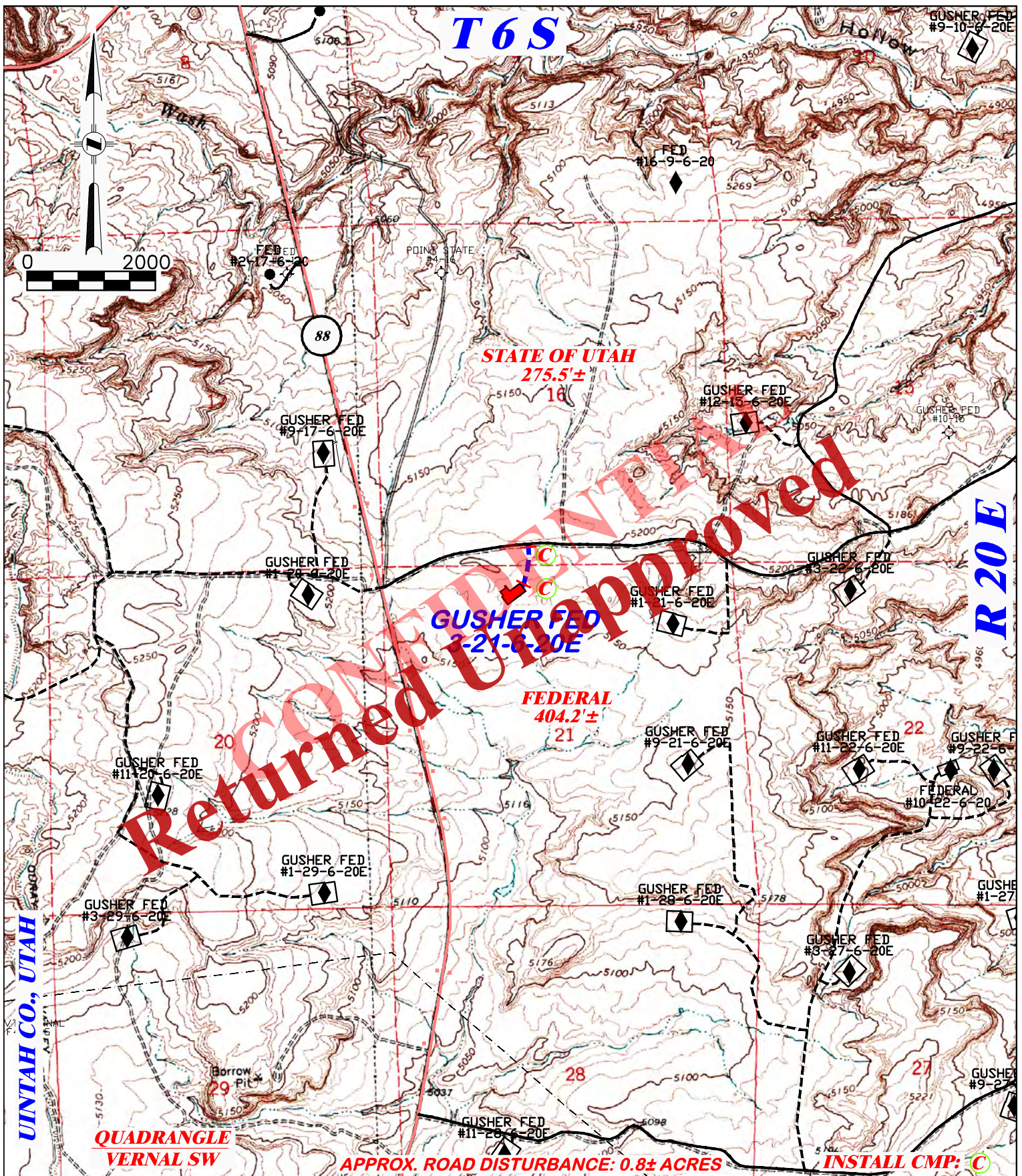
TOPO A

**PROPOSED ACCESS FOR
CRESCENT POINT ENERGY
GUSHER FED 3-21-6-20E
SECTION 21, T6S, R20E**

PROPOSED ROAD ———

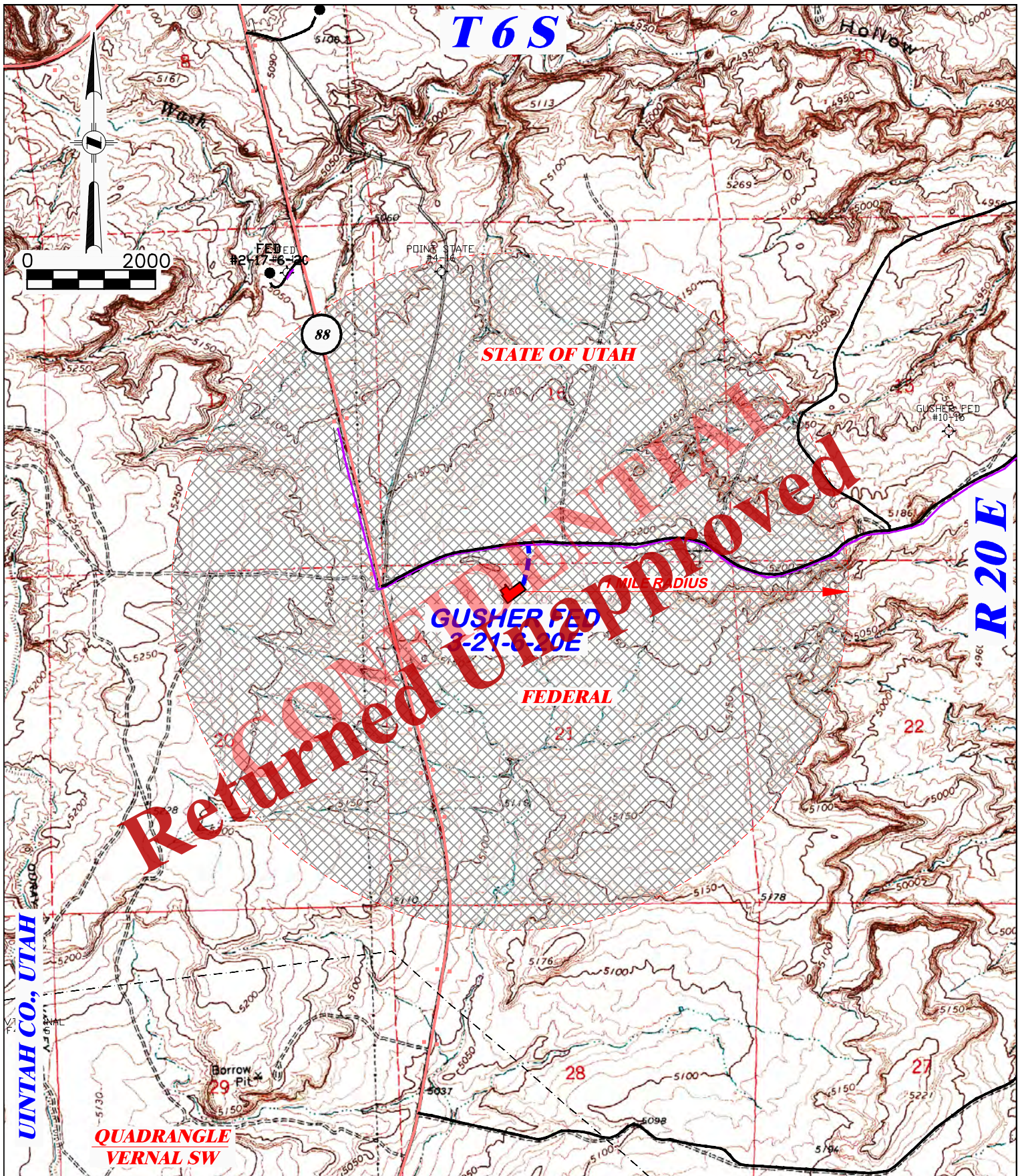
EXISTING ROAD ———

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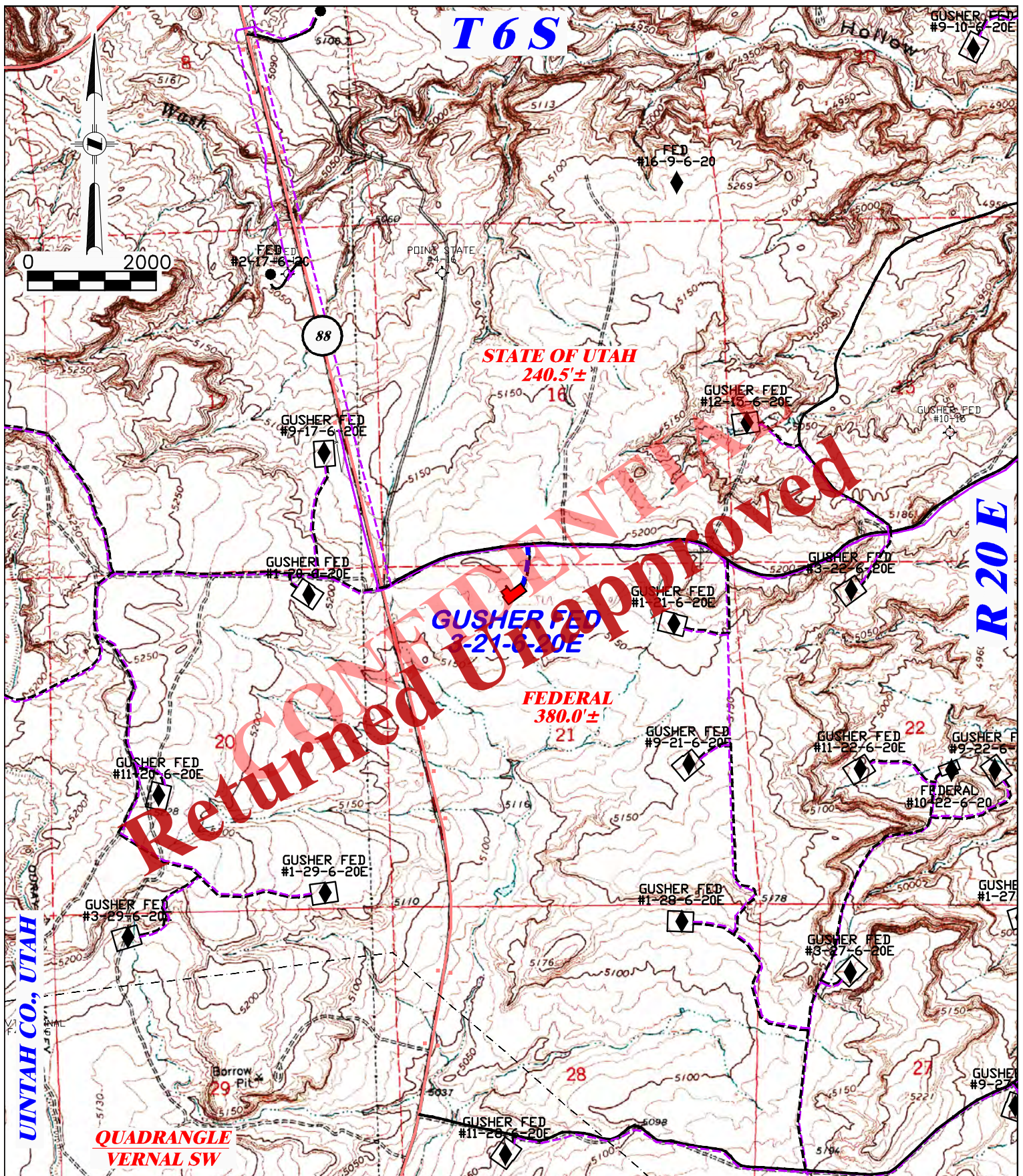
DRG RIFFIN & ASSOCIATES, INC. (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901		PROPOSED ROAD FOR CRESCENT POINT ENERGY GUSHER FED 3-21-6-20E SECTION 21, T6S, R20E	
DRAWN: 3/30/12 - NDP	SCALE: 1" = 2000'	TOTAL PROPOSED LENGTH: 679.7'±	
REVISED: 3/06/13 - KRH	DRG JOB No. 19150	PROPOSED ROAD - - - - - EXISTING ROAD — — — — —	
REVISED COMPANY NAME	TOPO B		

Received: May 10, 2013



DRG RIFFIN & ASSOCIATES, INC. (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901		ONE MILE RADIUS FOR CRESCENT POINT ENERGY GUSHER FED 3-21-6-20E SECTION 21, T6S, R20E	
DRAWN: 3/50/12 - NDP	SCALE: 1" = 2000'		
REVISED: 3/06/13 - KRH	DRG JOB No. 19150		
REVISED COMPANY NAME	TOPO C	PROPOSED ROAD - - - - -	EXISTING ROAD —————

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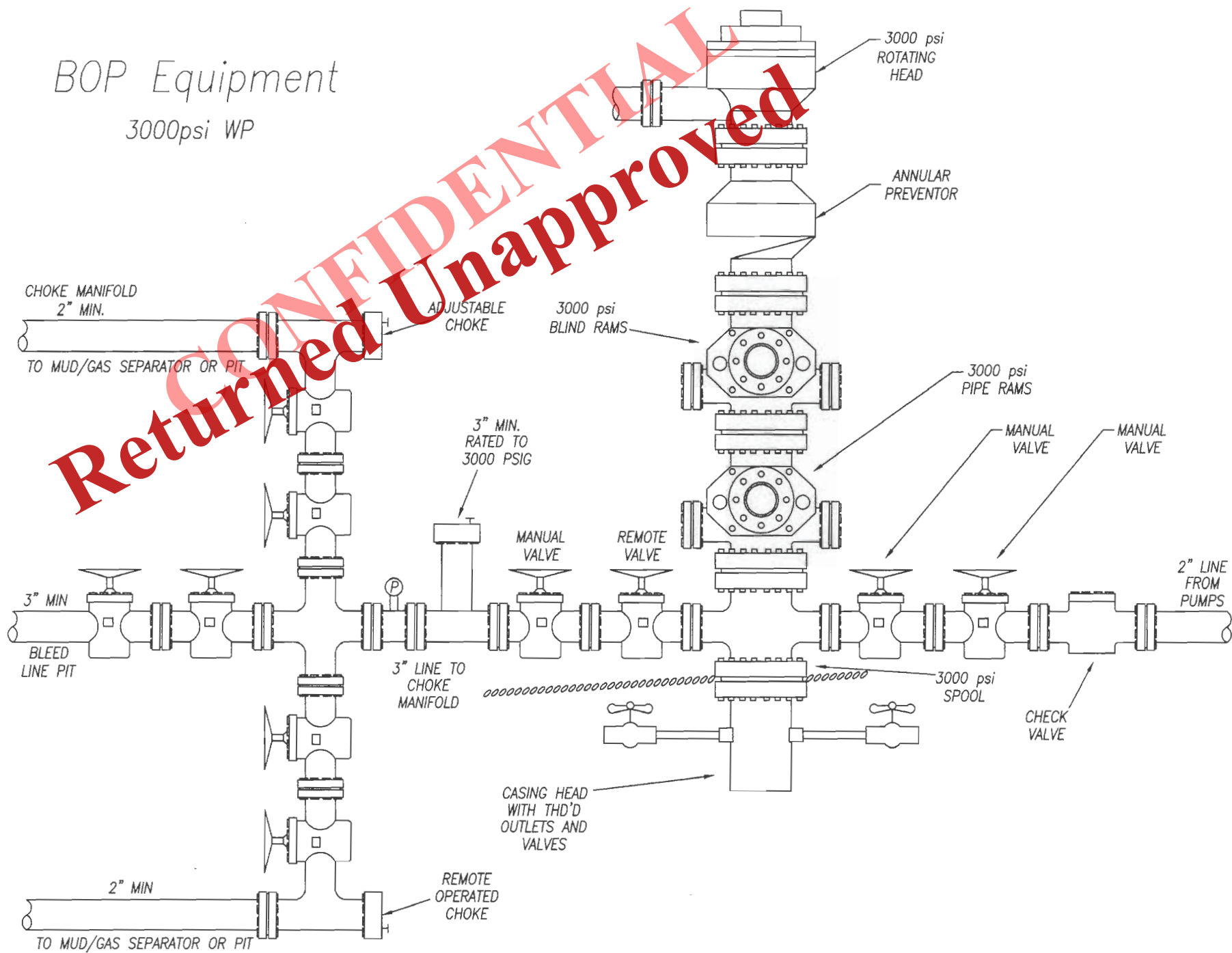


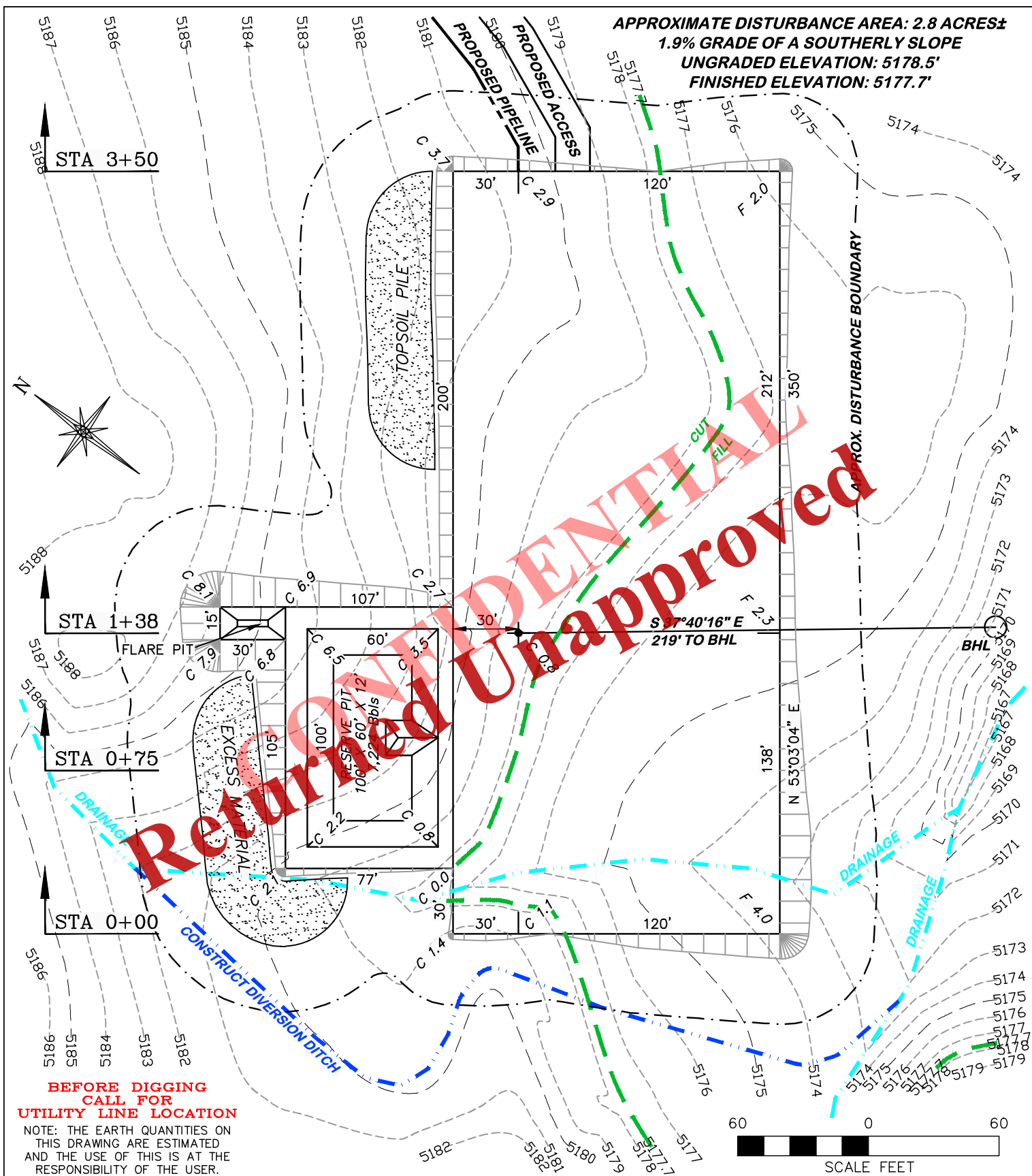
DRG RIFFIN & ASSOCIATES, INC. (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901		PROPOSED PIPELINE FOR CRESCENT POINT ENERGY GUSHER FED 3-21-6-20E SECTION 21, T6S, R20E	
DRAWN: 3/30/12 - NDP	SCALE: 1" = 2000'	TOTAL PROPOSED LENGTH: 620.5'±	
REVISED: 3/06/13 - KRH	DRG JOB No. 19150	PROPOSED PIPELINE ———— EXISTING ROAD ————	
REVISED COMPANY NAME	TOPO D		

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BOP Equipment

3000psi WP





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1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 3/30/12 - NDP

SCALE: 1" = 60'

REVISED: 3/06/13 - KRH

DRG JOB No. 19150

REVISED COMPANY NAME

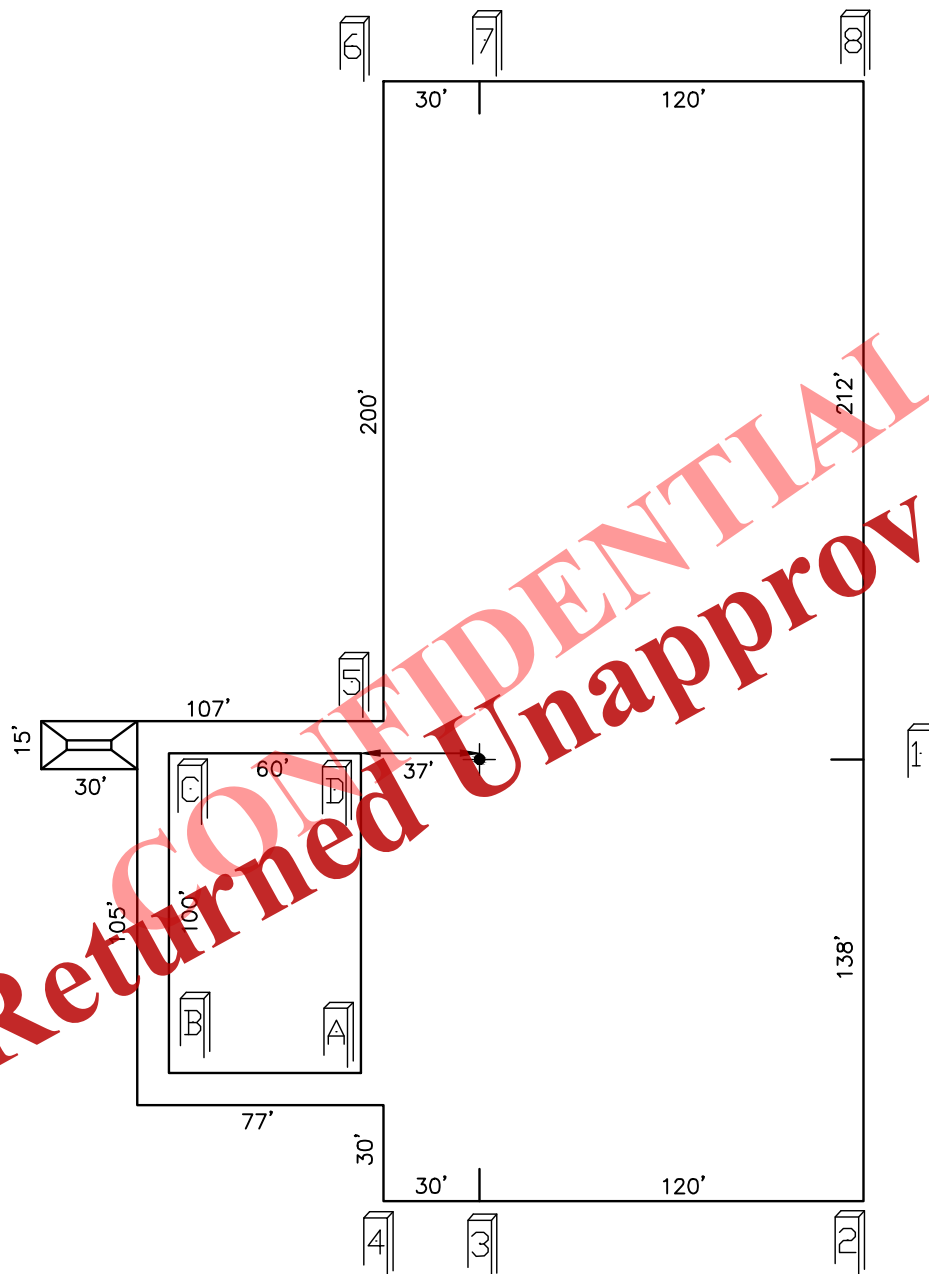
FIGURE #1

CRESCENT POINT ENERGY
GUSHER FED 3-21-6-20E
SECTION 21, T6S, R20E

UNGRADED ELEVATION: 5178.5'
FINISHED ELEVATION: 5177.7'

Received: May 10, 2013

CONFIDENTIAL
Returned Unapproved



RIFFIN & ASSOCIATES, INC.

(307) 362-5028

1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 3/30/12 - NDP

SCALE: 1" = 60'

REVISED: 3/06/13 - KRH

DRG JOB No. 19150

REVISED COMPANY NAME

FIGURE #1A


PAD LAYOUT
CRESCENT POINT ENERGY
GUSHER FED 3-21-6-20E
SECTION 21, T6S, R20E

UNGRADED ELEVATION: 5178.5'

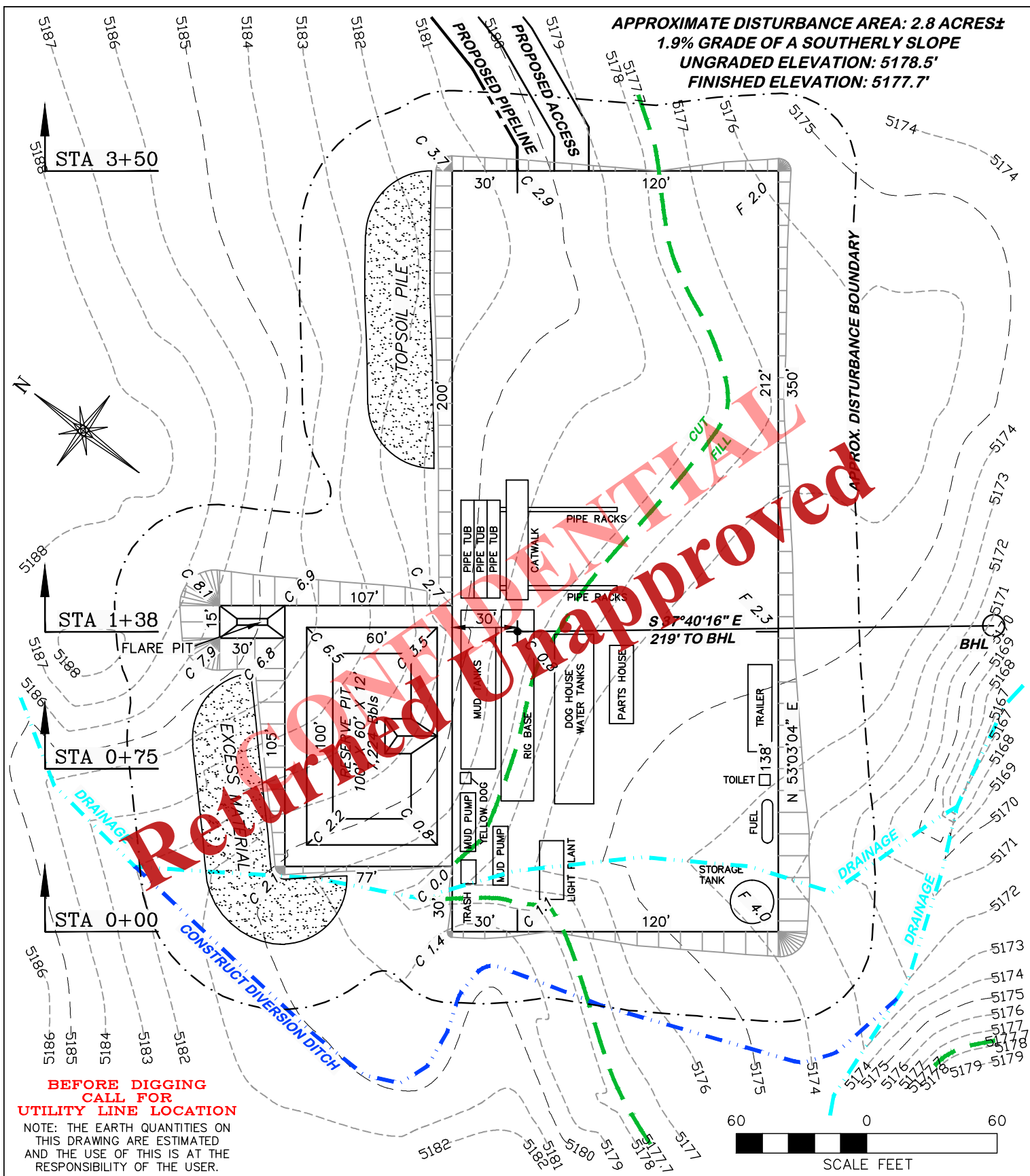
FINISHED ELEVATION: 5177.7'

Received: May 10, 2013



 DRG RIFFIN & ASSOCIATES, INC. (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901		CRESCENT POINT ENERGY GUSHER FED 3-21-6-20E SECTION 21, T6S, R20E	
DRAWN: 3/30/12 - NDP	HORZ. 1" = 50' VERT. 1" = 10'	UNGRADED ELEVATION: 5178.5' FINISHED ELEVATION: 5177.7'	
REVISED: 3/06/13 - KRH	DRG JOB No. 19150		
REVISED COMPANY NAME	FIGURE #2		

Received: May 10, 2013



RIFFIN & ASSOCIATES, INC.
 1414 ELK ST., ROCK SPRINGS, WY 82901

(307) 362-5028

DRAWN: 3/30/12 - NDP

SCALE: 1" = 60'

REVISED: 3/06/13 - KRH

DRG JOB No. 19150

REVISED COMPANY NAME

FIGURE #3

Received: May 10, 2013



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

May 14, 2013

CRESCENT POINT ENERGY U.S.
CORP
555 17th Street, Suite 750
Denver, CO 80202

Re: Application for Permit to Drill - UINTAH County, Utah

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the Gusher Fed 3-21-6-20E well, API 43047537560000 that was submitted May 10, 2013 is being returned unapproved. If you plan on drilling this well in the future, you must first submit a new application.

Should you have any questions regarding this matter, please call me at (801) 538-5312.

Sincerely,

Diana Mason
Environmental Scientist

Enclosure

cc: Bureau of Land Management, Vernal, Utah